

DERWENT-ACC-NO: 1989-128191

DERWENT-WEEK: 198917

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TITLE: Restoration of worn-out bevel gears -
employs press fitting of replacement crown over a
boss turned to new taper

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PATENT-ASSIGNEE: MACHINE SERVICE INS[MACHR]

PRIORITY-DATA: 1983SU-3618038 (July 11, 1983)

PATENT-FAMILY:

PUB-NO	PAGES	MAIN-IPC	PUB-DATE	LANGUAGE
SU 1346382 A	002	N/A	October 23, 1987	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
SU 1346382A	N/A	1983SU-3618038
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INT-CL (IPC): B23P006/00

ABSTRACTED-PUB-NO: SU 1346382A

BASIC-ABSTRACT:

In a method of reclamation of worn out bevel gears, the worm gear crown is removed on a lathe to a specified depth, to form on the side face of the boss
(1) a conical surface at a specified taper. A new gear crown
(2) with corresponding taper bore is then press-fitted and new teeth are re-cut and heat-treated.

ADVANTAGE - Improved quality on gears which take axial
loading.
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CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS: RESTORATION WEAR BEVEL GEAR EMPLOY PRESS FIT
REPLACE CROWN BOSS
TURN NEW TAPER

DERWENT-CLASS: P56

SECONDARY-ACC-NO:
Non-CPI Secondary Accession Numbers: N1989-097550

